

Please type a plus sign (+) inside this box

Substitute for PTO/SB/08A (08-00)

Approved for use through 10/31/2002. GMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheet as necessary)

Sheet

1

of

9

Complete if Known

Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20046

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
MLB		148,557		Gillespie, et al.	03/17/1874
WJS		556,725		Farwell	03/17/1896
WJS		719,913		Wackerow	02/03/1903
WJS		740,574		Kohlmeyer	10/06/1903
WJS		748,821		Wackerow	01/05/1904
WJS		793,720		Godbe	07/04/1905
WJS		810,020		Applegate	01/16/1906
WJS		1,012,974		Bird	12/26/1911
WJS		1,140,720		Simons	05/25/1915
WJS		1,914,742		Hillier	01/07/1931

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			
WJS		DE	462 348 ✓		Genter Thickener Company	07/09/1928	T
WJS		EP	0 919 270 ✓		Gohle, et al. & English Translation	06/02/1999	T
WJS		GB	2 048 098A ✓		Naghata, et al.	12/10/1979	
WJS		EP	0 049 746 ✓		Boerner English abstract translation only	04/21/1982	T

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
WJS		GB Search Report from corresponding International Application No. GB 0212755.3 dated October 25, 2002.	
WJS		GB Search Report from corresponding International Application No. GB 0129711.8 dated May 16, 2002.	

EXAMINER

M. Savage

DATE CONSIDERED

8-15-04

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →

Substitute for PTO/SB/OSA (02-001)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Do not use this form if it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet 2 of 9

Complete if Known	
Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20046

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
MS		1,977,601		Winton	10/16/1934
MS		1,993,214		Hass	03/05/1935
MS		2,056,891		Pecker	10/06/1936
MS		2,066,479		MacIsaac	01/05/1937
MS		2,243,559		Griffith	05/27/1941
MS		2,275,958		Hagel	03/10/1942
MS		2,354,752		Heilan	08/01/1944
MS		2,365,766		Levier	12/26/1944
MS		2,393,150		Dayton	01/15/1946
MS		2,549,363		Blickman	04/17/1957

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (If known)			
mg		EP	0 858 824	/	Keller, et al. English abstract translation only	08/19/1998	
mg		DE	4118423	/	Micheels	09/17/1992	T
mg		DE	19844310	/	Lange	03/23/2000	T
mg		FI	103325	/	Rantala, et al.	06/15/1999	T

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

EXAMINER <i>M. Savage</i>	DATE CONSIDERED <i>9-5-04</i>
------------------------------	----------------------------------

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box →

Substitute for PTO/SB/08A (08-001)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
1100 L Street, N.W., Washington, D.C. 20540

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheet as necessary)

(use as many sheet as necessary)

Sheet 3 of 9

Complete if Known	
Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20046

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
mg		2,834,474		Jalkanen	05/13/1958
ws		3,112,263		Ellilia	11/26/1963
mg		3,161,159		Kritske	
mg		3,256,995		Schmid, et al.	06/21/1966
mg		3,278,038		Acker	10/11/1966
mg		3,286,843		Kraissel, Jr.	11/22/1966
ws		3,333,700		Coleman	08/01/1967
ws		3,334,747		Niccum, et al.	08/08/1967
mg		3,338,416		Barry	08/29/1967
mg		3,363,771		Walters	01/16/1968

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			
WES		DE	1 188 558	/	vad der Werth	03/11/1965	
WES		FR	838,593	/	Beaudrey-Bergeron	03/09/1939	
WES		NO	75407	/	Aktiebolaget	07/25/1949	
WES		JP	8281021	/	Takenaka Komuten Co.	10/29/1996	T

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

EXAMINER <i>M. Savage</i>	DATE CONSIDERED <i>9-15-04</i>
---------------------------	--------------------------------

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box

Substitute for PTO/SB/08A (08-001)

Approved for use through 10/31/2002. OMB 0551-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB 0551-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheet as necessary)

Sheet 4 of 9

Complete if Known	
Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20048

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
MS		3,414,129		Going, et al.	12/03/1968
MS		3,574,509		Zentis, et al.	04/13/1971
MS		3,622,006		Brunner	11/23/1971
MS		3,647,071		Lamort	03/07/1972
MS		3,692,178		Reece	09/19/1972
MS		3,688,337		Noda	09/05/1972
MS		3,747,770		Zentis	07/24/1973
MS		3,870,640		Reece	03/11/1975
MS		4,052,305		Arvanitakis	10/04/1977
MS		4,113,618		Koseki, et al.	09/12/1978

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (If known)			
MS		EP	0225 401	A1	Ackmann, et al. (Germany)	06/16/1987	
MS		DE	3640 638	C1	Eimer, et al. (Germany)	05/19/1988	
MS		DE	3829 360	A1	Koller (Germany)	08/30/1988	
MS		CH	22 863		Zingg (Switzerland) & English translation	12/27/1900	T

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

EXAMINER *M. Savage* **DATE CONSIDERED** *9-15-04*
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box -

Substitute for PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
unless it contains a valid OMB control number.

Approved for use through 10/31/2012. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheet as necessary)

Sheet 5 of 8

Complete If Known	
Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20046

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
MS		4,226,716		White, Jr.	10/07/1980
MS		4,253,962		Thompson	03/03/1981
MS		4,255,264		Madsen	03/10/1981
MS		4,279,760		Yamamoto	07/21/1981
MS		4,347,134		Svehaug	08/31/1982
MS		4,582,603		Nasse	04/15/1986
MS		4,610,786		Pearson	09/19/1986
MS		4,642,188		De Visser, et al.	02/10/1987
MS		4,655,937		Hendrix	04/07/1987
MS		4,735,730		Bratten	04/05/1988

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			
MS		WO	91/12870		Bjorn	10/18/1994	
MS		GB	0120711.8	2371246A	Benenson, Jr.	07/24/2002	
MS		WO	01/26775		Benenson, Jr.	04/19/2001	
		GB	0212755.3		Benenson, Jr.	07/10/2002	

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

<i>M. Savoie</i>	DATE CONSIDERED	9-15-04
------------------	-----------------	---------

Please type a plus sign (+) inside this box →

Substitute for PTO/SB/08A (08-001)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
ion unless it contains a valid OMB control number.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Page for Form 1449A/BTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheet as necessary)

Complete if Known	
Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20046

Sheet 6 of 8

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
WS		4,818,402		Steiner, et al.	04/04/1989
WS		4,822,486		Wilkins, et al.	04/18/1989
WS		4,836,922		Rishel, et al.	06/06/1987
WS		4,849,105		Borchert	07/18/1989
MS		4,867,879		Müller	09/19/1989
WS		4,902,410		Botsch	02/20/1990
WS		4,904,397		Eimer, et al.	02/27/1990
WS		4,957,630		Bratten	09/18/1990
MS		5,055,205		White	10/08/1991
WS		5,059,331		Goyal	10/22/1991

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheet as necessary)

(use as many sheet as necessary)

Sheet 7 of 9

Complete if Known	
Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20046

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
MS		5,076,115		De Wachter, et al.	12/31/1991
MS		5,084,176		Davis, et al.	01/28/1992
MS		5,102,534		Gabet	04/07/1992
MS		5,152,891		Netkowicz, et al.	10/06/1992
MS		5,160,428		Kuri	11/03/1992
MS		5,194,160		Simonelli, et al.	03/16/1993
MS		5,198,111		Davis	03/30/1993
MS		5,217,613		Tashiro, et al.	06/08/1993
MS		5,227,064		Strid	07/13/1993
MS		5,262,069		Kato	11/16/1993

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (If known)			

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

4-15-04
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Please type a plus sign (+) inside this box -

Substitute for PTO/SB/09A (08-001)

Approved for use through 10/31/2002. OMB D651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
ion unless it contains a valid OMB control number.

Approved for use through 10/31/2002. OMB D651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheet as necessary)

Sheet 8 of 9

Complete if Known	
Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20046

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
WJS		5,275,728		Koller	01/04/1994
MS		5,298,161		Sieg	03/29/1994
WS		5,332,499		Spencer	07/26/1994
WJS		5,423,977		Aoki, et al.	06/13/1995
WJS		5,527,462		Davis, et al.	06/18/1996
WJS		5,569,383		Vander Ark, et al.	10/29/1996
WJS		5,595,655		Steiner, et al.	01/21/1997
WJS		RE 35,560		Simonelli, et al.	07/15/1997
WS		5,723,051		Bartlet, et al.	03/03/1998
PS		5,772,867		Chiang, et al.	06/30/1998

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box - **44**

Substitute for PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Do not use this form if it contains a valid OMB control number.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0651-0031. U.S. Patent and Trademark Office, 1100 L Street, NW, Washington, DC 20591-0001.

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(use as many sheet as necessary)

(use as many sheet as necessary)

Sheet 9 of 9

Complete if Known	
Application Number	10/774,851
Filing Date	February 9, 2004
First Named Inventor	James Benenson, Jr.
Group Art Unit	1723
Examiner Name	
Attorney Docket Number	V1012/20046

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		
MS		6,177,022		Benenson, Jr.	01/23/2001
MS		6,251,294		Davis, et al.	06/26/2001
MS		6,395,186		De Kock, et al.	05/28/2002
MS		6,517,722		Benenson, Jr.	02/11/2003
MS		6,676,834		Benenson, Jr.	01/13/2004
MS		6,666,976		Benenson, Jr.	12/23/2003
MS		6,712,981		Benenson, Jr.	03/30/2004

FOREIGN PATENT DOCUMENTS

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

9-15-04
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.